



IFW16

RAW SEQUENCE LISTING

DATE: 09/01/2004

PATENT APPLICATION: US/09/900,963A

TIME: 13:49:57

Input Set : A:\Sequence.txt

Output Set: N:\CRF4\09012004\I900963A.raw

4 <110> APPLICANT: Guerin-Marchand, Claudine
 5 Druilhe, Pierre
 7 <120> TITLE OF INVENTION: Peptide Sequences Specific for the Hepatic Stages of P.
 Falciparum
 8 Bearing Epitopes Capable of Stimulating the T Lymphocytes
 10 <130> FILE REFERENCE: 010830-118
 12 <140> CURRENT APPLICATION NUMBER: US 09/900,963A
 13 <141> CURRENT FILING DATE: 2001-07-10
 15 <150> PRIOR APPLICATION NUMBER: US 08/098,327
 16 <151> PRIOR FILING DATE: 1993-11-24
 18 <150> PRIOR APPLICATION NUMBER: PCT/FR92/00104
 19 <151> PRIOR FILING DATE: 1992-02-05
 21 <150> PRIOR APPLICATION NUMBER: FR 91 01286
 22 <151> PRIOR FILING DATE: 1991-02-05
 24 <160> NUMBER OF SEQ ID NOS: 47
 26 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 28 <210> SEQ ID NO: 1
 29 <211> LENGTH: 17
 30 <212> TYPE: PRT
 31 <213> ORGANISM: Artificial Sequence
 33 <220> FEATURE:
 34 <223> OTHER INFORMATION: Liver Stage Specific antigen
 W--> 36 <221> NAME/KEY: VARIANT
 37 <222> LOCATION: 8
 38 <223> OTHER INFORMATION: Xaa = Glu or Gly
 W--> 40 <400> 1
 W--> 41 Leu Ala Lys Glu Lys Leu Gln Xaa Gln Gln Ser Asp Leu Glu Gln Glu
 42 1 5 10 15
 43 Arg
 47 <210> SEQ ID NO: 2
 48 <211> LENGTH: 17
 49 <212> TYPE: PRT
 50 <213> ORGANISM: Artificial Sequence
 52 <220> FEATURE:
 53 <223> OTHER INFORMATION: Liver Stage Specific antigen
 W--> 55 <221> NAME/KEY: VARIANT
 56 <222> LOCATION: 1
 57 <223> OTHER INFORMATION: Xaa = Ser or Arg
 W--> 59 <221> VARIANT
 60 <222> LOCATION: 6
 61 <223> OTHER INFORMATION: Xaa = Glu or Asp
 W--> 63 <221> VARIANT
 64 <222> LOCATION: 8
 65 <223> OTHER INFORMATION: Xaa = Arg or Leu



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W--> 67 <221> VARIANT
 68 <222> LOCATION: 15
 69 <223> OTHER INFORMATION: Xaa = Glu or Gly

W--> 71 <400> 2

W--> 72 Xaa Asp Leu Glu Gln Xaa Arg Xaa Ala Lys Glu Lys Leu Gln Xaa Gln
 73 1 5 10 15
 74 Gln
 78 <210> SEQ ID NO: 3
 79 <211> LENGTH: 17
 80 <212> TYPE: PRT
 81 <213> ORGANISM: Artificial Sequence
 83 <220> FEATURE:
 84 <223> OTHER INFORMATION: Liver Stage Specific antigen

W--> 86 <221> NAME/KEY: VARIANT
 87 <222> LOCATION: 2
 88 <223> OTHER INFORMATION: Xaa = Ser or Arg

W--> 90 <221> VARIANT
 91 <222> LOCATION: 7
 92 <223> OTHER INFORMATION: Xaa = Glu or Asp

W--> 94 <221> VARIANT
 95 <222> LOCATION: 9
 96 <223> OTHER INFORMATION: Xaa = Arg or Leu

W--> 98 <221> VARIANT
 99 <222> LOCATION: 16
 100 <223> OTHER INFORMATION: Xaa = Glu or Gly

W--> 102 <400> 3

W--> 103 Gln Xaa Asp Leu Glu Gln Xaa Arg Xaa Ala Lys Glu Lys Leu Gln Xaa
 104 1 5 10 15
 105 Gln
 109 <210> SEQ ID NO: 4
 110 <211> LENGTH: 17
 111 <212> TYPE: PRT
 112 <213> ORGANISM: Artificial Sequence
 114 <220> FEATURE:
 115 <223> OTHER INFORMATION: Liver Stage Specific antigen

W--> 117 <221> NAME/KEY: VARIANT
 118 <222> LOCATION: 3
 119 <223> OTHER INFORMATION: Xaa = Ser or Arg

W--> 121 <221> VARIANT
 122 <222> LOCATION: 8
 123 <223> OTHER INFORMATION: Xaa = Glu or Asp

W--> 125 <221> VARIANT
 126 <222> LOCATION: 10
 127 <223> OTHER INFORMATION: Xaa = Arg or Leu

W--> 129 <221> VARIANT
 130 <222> LOCATION: 17
 131 <223> OTHER INFORMATION: Xaa = Glu or Gly

W--> 133 <400> 4

W--> 134 Gln Gln Xaa Asp Leu Glu Gln Xaa Arg Xaa Ala Lys Glu Lys Leu Gln

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```

135 1 5 10 15
W--> 136 Xaa
140 <210> SEQ ID NO: 5
141 <211> LENGTH: 17
142 <212> TYPE: PRT
143 <213> ORGANISM: Artificial Sequence
145 <220> FEATURE:
146 <223> OTHER INFORMATION: Liver Stage Specific antigen
W--> 148 <221> NAME/KEY: VARIANT
149 <222> LOCATION: 1
150 <223> OTHER INFORMATION: Xaa = Glu or Gly
W--> 152 <221> VARIANT
153 <222> LOCATION: 4
154 <223> OTHER INFORMATION: Xaa = Ser or Arg
W--> 156 <221> VARIANT
157 <222> LOCATION: 9
158 <223> OTHER INFORMATION: Xaa = Glu or Asp
W--> 160 <221> VARIANT
161 <222> LOCATION: 11
162 <223> OTHER INFORMATION: Xaa = Arg or Leu
W--> 164 <400> 5
W--> 165 Xaa Gln Gln Xaa Asp Leu Glu Gln Xaa Arg Xaa Ala Lys Glu Lys Leu
166 1 5 10 15
167 Gln
171 <210> SEQ ID NO: 6
172 <211> LENGTH: 17
173 <212> TYPE: PRT
174 <213> ORGANISM: Artificial Sequence
176 <220> FEATURE:
177 <223> OTHER INFORMATION: Liver Stage Specific antigen
W--> 179 <221> NAME/KEY: VARIANT
180 <222> LOCATION: 2
181 <223> OTHER INFORMATION: Xaa = Glu or Gly
W--> 183 <221> VARIANT
184 <222> LOCATION: 5
185 <223> OTHER INFORMATION: Xaa = Ser or Arg
W--> 187 <221> VARIANT
188 <222> LOCATION: 10
189 <223> OTHER INFORMATION: Xaa = Glu or Asp
W--> 191 <221> VARIANT
192 <222> LOCATION: 12
193 <223> OTHER INFORMATION: Xaa = Arg or Leu
W--> 195 <400> 6
W--> 196 Gln Xaa Gln Gln Xaa Asp Leu Glu Gln Xaa Arg Xaa Ala Lys Glu Lys
197 1 5 10 15
198 Leu
202 <210> SEQ ID NO: 7
203 <211> LENGTH: 17
204 <212> TYPE: PRT

```

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```

205 <213> ORGANISM: Artificial Sequence
207 <220> FEATURE:
208 <223> OTHER INFORMATION: Liver Stage Specific antigen
W--> 210 <221> NAME/KEY: VARIANT
211 <222> LOCATION: 3
212 <223> OTHER INFORMATION: Xaa = Glu or Gly
W--> 214 <221> VARIANT
215 <222> LOCATION: 6
216 <223> OTHER INFORMATION: Xaa = Ser or Arg
W--> 218 <221> VARIANT
219 <222> LOCATION: 11
220 <223> OTHER INFORMATION: Xaa = Glu or Asp
W--> 222 <221> VARIANT
223 <222> LOCATION: 13
224 <223> OTHER INFORMATION: Xaa = Arg or Leu
W--> 226 <400> 7
W--> 227 Leu Gln Xaa Gln Gln Xaa Asp Leu Glu Gln Xaa Arg Xaa Ala Lys Glu
228 1 5 10 15
229 Lys
233 <210> SEQ ID NO: 8
234 <211> LENGTH: 17
235 <212> TYPE: PRT
236 <213> ORGANISM: Artificial Sequence
238 <220> FEATURE:
239 <223> OTHER INFORMATION: Liver Stage Specific antigen
W--> 241 <221> NAME/KEY: VARIANT
242 <222> LOCATION: 4
243 <223> OTHER INFORMATION: Xaa = Glu or Gly
W--> 245 <221> VARIANT
246 <222> LOCATION: 7
247 <223> OTHER INFORMATION: Xaa = Ser or Arg
W--> 249 <221> VARIANT
250 <222> LOCATION: 12
251 <223> OTHER INFORMATION: Xaa = Glu or Asp
W--> 253 <221> VARIANT
254 <222> LOCATION: 14
255 <223> OTHER INFORMATION: Xaa = Arg or Leu
W--> 257 <400> 8
W--> 258 Lys Leu Gln Xaa Gln Gln Xaa Asp Leu Glu Gln Xaa Arg Xaa Ala Lys
259 1 5 10 15
260 Glu
264 <210> SEQ ID NO: 9
265 <211> LENGTH: 17
266 <212> TYPE: PRT
267 <213> ORGANISM: Artificial Sequence
269 <220> FEATURE:
270 <223> OTHER INFORMATION: Liver Stage Specific antigen
W--> 272 <221> NAME/KEY: VARIANT
273 <222> LOCATION: 5

```

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Input Set : A:\Sequence.txt

Output Set: N:\CRF4\09012004\I900963A.raw

```

274 <223> OTHER INFORMATION: Xaa = Glu or Gly
W--> 276 <221> VARIANT
277 <222> LOCATION: 8
278 <223> OTHER INFORMATION: Xaa = Ser or Arg
W--> 280 <221> VARIANT
281 <222> LOCATION: 13
282 <223> OTHER INFORMATION: Xaa = Glu or Asp
W--> 284 <221> VARIANT
285 <222> LOCATION: 15
286 <223> OTHER INFORMATION: Xaa = Arg or Leu
W--> 288 <400> 9
W--> 289 Glu Lys Leu Gln Xaa Gln Gln Xaa Asp Leu Glu Gln Xaa Arg Xaa Ala
290 1 5 10 15
291 Lys
295 <210> SEQ ID NO: 10
296 <211> LENGTH: 17
297 <212> TYPE: PRT
298 <213> ORGANISM: Artificial Sequence
300 <220> FEATURE:
301 <223> OTHER INFORMATION: Liver Stage Specific antigen
W--> 303 <221> NAME/KEY: VARIANT
304 <222> LOCATION: 6
305 <223> OTHER INFORMATION: Xaa = Glu or Gly
W--> 307 <221> VARIANT
308 <222> LOCATION: 9
309 <223> OTHER INFORMATION: Xaa = Ser or Arg
W--> 311 <221> VARIANT
312 <222> LOCATION: 14
313 <223> OTHER INFORMATION: Xaa = Glu or Asp
W--> 315 <221> VARIANT
316 <222> LOCATION: 16
317 <223> OTHER INFORMATION: Xaa = Arg or Leu
W--> 319 <400> 10
W--> 320 Lys Glu Lys Leu Gln Xaa Gln Gln Xaa Asp Leu Glu Gln Xaa Arg Xaa
321 1 5 10 15
322 Ala
326 <210> SEQ ID NO: 11
327 <211> LENGTH: 17
328 <212> TYPE: PRT
329 <213> ORGANISM: Artificial Sequence
331 <220> FEATURE:
332 <223> OTHER INFORMATION: Liver Stage Specific antigen
W--> 334 <221> NAME/KEY: VARIANT
335 <222> LOCATION: 7
336 <223> OTHER INFORMATION: Xaa = Glu or Gly
W--> 338 <221> VARIANT
339 <222> LOCATION: 10
340 <223> OTHER INFORMATION: Xaa = Ser or Arg
W--> 342 <221> VARIANT

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/900,963A

DATE: 09/01/2004
TIME: 13:49:58

Input Set : A:\Sequence.txt
Output Set: N:\CRF4\09012004\I900963A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 8
Seq#:2; Xaa Pos. 1,6,8,15
Seq#:3; Xaa Pos. 2,7,9,16
Seq#:4; Xaa Pos. 3,8,10,17
Seq#:5; Xaa Pos. 1,4,9,11
Seq#:6; Xaa Pos. 2,5,10,12
Seq#:7; Xaa Pos. 3,6,11,13
Seq#:8; Xaa Pos. 4,7,12,14
Seq#:9; Xaa Pos. 5,8,13,15
Seq#:10; Xaa Pos. 6,9,14,16
Seq#:11; Xaa Pos. 7,10,15,17
Seq#:12; Xaa Pos. 1,8,11,16
Seq#:13; Xaa Pos. 2,9,12,17
Seq#:14; Xaa Pos. 1,3,10,13
Seq#:15; Xaa Pos. 2,4,11,14
Seq#:16; Xaa Pos. 3,5,12,15
Seq#:17; Xaa Pos. 4,6,13,16
Seq#:18; Xaa Pos. 5,7,14,17

VERIFICATION SUMMARY

DATE: 09/01/2004

PATENT APPLICATION: US/09/900,963A

TIME: 13:49:58

Input Set : A:\Sequence.txt

Output Set: N:\CRF4\09012004\I900963A.raw

L:36 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:40 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:41 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:55 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:59 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:63 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:67 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:71 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:72 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:86 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:90 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:94 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:98 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:102 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:117 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:121 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
L:125 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
L:129 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
L:133 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
L:134 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:136 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:16
L:148 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:152 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:156 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:160 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:164 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:165 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:179 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:183 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:187 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:191 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:195 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:196 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:210 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:214 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7
L:218 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7
L:222 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7
L:226 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7
L:227 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:241 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:245 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:8
L:249 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:8
L:253 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:8
L:257 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:8
L:258 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:272 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:276 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9

VERIFICATION SUMMARY

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TIME: 13:49:58

Input Set : A:\Sequence.txt

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L:280 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9
L:284 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9
L:288 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9
L:289 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:303 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:307 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:10
L:311 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:10
L:315 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:10
L:319 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:10
L:320 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:334 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:338 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:11
L:342 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:11
L:346 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:11
L:350 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:11
L:351 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:353 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:16
L:365 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:369 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:12
L:373 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:12
L:377 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:12
L:381 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:12
L:382 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:396 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:400 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:13
L:404 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:13
L:408 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:13
L:412 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:13
L:413 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
L:415 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:16
L:427 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:431 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:14
L:435 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:14
L:439 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:14
L:443 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:14
L:444 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:458 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:462 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:15
L:466 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:15
L:470 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:15
L:474 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:15
L:475 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
L:489 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:493 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:16
L:497 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:16
L:501 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:16
L:505 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:16
L:506 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
L:520 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!

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L:524 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:17
L:528 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:17
L:532 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:17
L:536 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:17
L:537 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:551 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:555 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:18
L:559 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:18
L:563 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:18
L:567 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:18
L:568 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
L:570 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:16
L:938 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:941 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:37
L:1140 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1143 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:42
L:1378 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1381 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:46